

JFW



Miller 2-1

CONFIRMATION NO. 3691
DATE OF NOTICE OF ALLOWANCE: MARCH 14, 2006
SERIAL NO. 10/786,182

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Application

Applicant(s): C.J. Miller et al.
Case: 2-1
Serial No.: 10/786,182
Filing Date: February 25, 2004
Group: 2891
Examiner: Asok K. Sarkar

I hereby certify that this paper is being deposited on this date with the U.S. Postal Service as first class mail addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Signature:

Lisa L. Tulpis

Date: May 12, 2006

Title: Methods and Apparatus for Integrated Circuit Ball Bonding
with Substantially Perpendicular Wire Bond Profiles

TRANSMITTAL OF FORMAL DRAWINGS

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In response to the Notice Regarding Drawings dated May 8, 2006 in the above-referenced patent application, Applicants submit herewith four (4) sheets of formal drawings. Please note that these formal drawings were previously filed with the U.S. Patent and Trademark Office on April 9, 2004. Approval and entry of the formal drawings are respectfully requested. A copy of the Notice is enclosed herewith.

Respectfully submitted,

Robert W. Griffith

Date: May 12, 2006

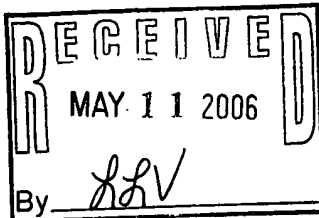
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1150-1209 (RWG)

UNITED STATES PATENT AND TRADEMARK OFFICEUNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

| APPLICATION NUMBER | 2035 FILING DATE | FIRST NAME APPLICANT | ATTORNEY DOCKET NUMBER |
|--------------------|------------------|----------------------|------------------------|
| 10/786182 | 02/25/2004 | Curtis James Miller | 2-1 |

Ryan, Mason & Lewis, LLP
90 Forest Avenue
Locust Valley NY 11560

Examiner: Sarkar, Askar

Art Unit
2891

Sheet No.

Date Mailed: May 8, 2006

Notice Regarding Drawings

Corrected drawings for the above-identified application, received in the USPTO on April 12, 2004 still not acceptable for the reason(s) identified on the attached PTO-948. Applicant is given one opportunity to correct the informalities within a two-month time period from the mailing date of this Notice. **THIS TIME PERIOD IS NOT EXTENDABLE UNDER EITHER 37 CFR 1.136(a) OR 1.136(b).** Failure to take corrective action within the set period will result in abandonment of the application.

ATTACHMENT: PTO-948 Notice of Draftsperson's Patent Review *W/H***RETURN CORRECTED DRAWINGS TO:**Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

| |
|--------------------------|
| DOCKETED |
| RECEIVED: <u>5/11/06</u> |
| DUE: <u>7/8/06</u> |
| BY: <u>JL</u> |

MAY 15 2006

NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW

The drawing(s) filed (insert date) 4/12/2004 are:

- A. ☒ approved by the Draftsperson under 37 CFR 1.84 or 1.152.
 B. ☒ objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. Corrected drawings are required.

1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings: Black ink or Color (3 sets required).

☐ Color drawings are not acceptable until petition is granted. Fig(s) _____
☐ Pencil and non black ink not permitted. Fig(s) _____

2. PHOTOGRAPHS. 37 CFR 1.84(b)
☐ One (1) full-tone set is required. Fig(s) _____
☐ Photographs may not be mounted. 37 CFR 1.84(e)
☐ Photographs must meet paper size requirements of 37 CFR 1.84(f). Fig(s) _____
☐ Poor quality (half-tone). Fig(s) _____

3. TYPE OF PAPER. 37 CFR 1.84(e)
☐ Paper not flexible, strong, white, and durable. Fig(s) _____
☐ Erasures, alterations, overwritings, interlineations, folds, copy machine marks not accepted. Fig(s) _____

4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes:

21.0 cm by 29.7 cm (DIN size A4) or
 21.6 cm by 27.9 cm (8 1/2 x 11 inches)
☐ All drawing sheets not the same size. Sheet(s) _____

☐ Drawings sheets not an acceptable size. Fig(s) _____

5. MARGINS. 37 CFR 1.84(g): Acceptable margins:
 Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm
☐ Margins not acceptable. Fig(s) _____

☐ Top (T) ☐ Left (L)
☐ Right (R) ☐ Bottom (B)

6. VIEWS. 37 CFR 1.84(h)
 REMINDER: Specification may require revision to correspond to drawing changes, e.g., if Fig. 1 is changed to Fig. 1A, Fig 1B and Fig. 1C, etc., the specification, at the Brief Description of the Drawings, must likewise be changed.

☐ Views not labeled separately or properly. Fig(s) _____

7. SECTIONAL VIEWS. 37 CFR 1.84(h)(3)
☐ Sectional designation should be noted with Arabic or Roman numbers. Fig(s) _____

8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)
☐ Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) _____

9. SCALE. 37 CFR 1.84(k)
☐ Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction. Fig(s) _____

10. CHARACTER OF LINES, NUMBERS, & LETTERS. 37 CFR 1.84(l)
☐ Lines, numbers & letters not uniformly thick and well defined, clean, durable, and black (poor line quality). Fig(s) 1-8

11. SHADING. 37 CFR 1.84(m)
☐ Solid black areas pale. Fig(s) _____
☐ Solid black shading not permitted. Fig(s) _____

12. NUMBERS, LETTERS, & REFERENCE CHARACTERS. 37 CFR 1.84(p)
☐ Numbers and reference characters not plain and legible. Fig(s) _____
☐ Figure legends are poor. Fig(s) _____
☐ Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1) Fig(s) _____

☐ English alphabet not used. 37 CFR 1.84(p)(2) Fig(s) _____
☐ Numbers, letters and reference characters must be at least 32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3). Fig(s) _____

13. LEAD LINES. 37 CFR 1.84(q)
☐ Lead lines missing. Fig(s) _____

14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(t)

☐ Sheets not numbered consecutively, and in Arabic numbers beginning with number 1. Sheet(s) _____

15. NUMBERING OF VIEWS. 37 CFR 1.84(u)
☐ Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) _____

16. DESIGN DRAWINGS. 37 CFR 1.152
☐ Surface shading shown not appropriate. Fig(s) _____
☐ Solid black surface shading is not permitted except when used to represent the color black as well as color contrast. Fig(s) _____

COMMENTS:

-illegible dates & hard to understand dwgs (dark) (Fig 3-5)

Reviewer W/S

If you have questions, call (703) 305-8404.

Date 4/8/06

Attachment to Paper No. _____